

On influence of stylolites on reservoir properties of famennian carbonate rocks using Fourier spectra

Nurgalieva N.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

In present paper some aspects of stylolites morphology, classifications and genesis have been regarded on core samples of Famennian carbonate rocks from well on southern slope of South-Tatarian Dome. It was observed the presence of stylolites with sizes of 10-2 m, of suture, prisma and peak shapes. Fourier spectra can be used to measure and to classify stylolites as well as to estimate their influence on reservoir properties of carbonate rocks.

Keywords

Famennian stage, Fourier spectra, Limestone, Reservoir properties, Stylolite